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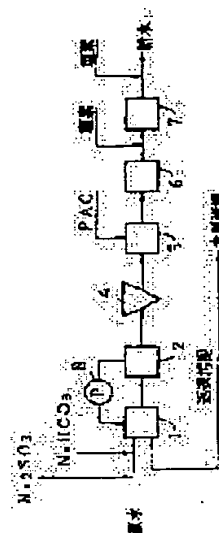
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## (54) WATER PURIFYING TREATMENT

### (57)Abstract:

**PURPOSE:** To perform water purifying treatment with high accuracy by facilitating the treatment of raw water by supplying sodium sulfite to raw water as an electron donor and also supplying sodium bicarbonate thereto as an inorg. carbon source to perform the desulfurization and denitrification treatment of raw water.

**CONSTITUTION:**  $\text{Na}_2\text{CO}_3$  is supplied to raw water to be treated as an electron donor and  $\text{NaHCO}_3$  is supplied thereto as an inorg. carbon source and the desulfurization and denitrification treatment of the raw water is performed in a desulfurization and denitrification tank 1 and a nitrification tank 2. A flocculant (e.g. PAC) is injected in and mixed with this raw water subjected to desulfurization and denitrification treatment in a quick mixing basin 5 and sludge is flocculated and settled in a flocculation and sedimentation basin 6 and chlorine is injected in the raw water to sterilize the raw water. As a result, the treatment of raw water is facilitated and water purifying treatment can be performed with high accuracy.



## LEGAL STATUS

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